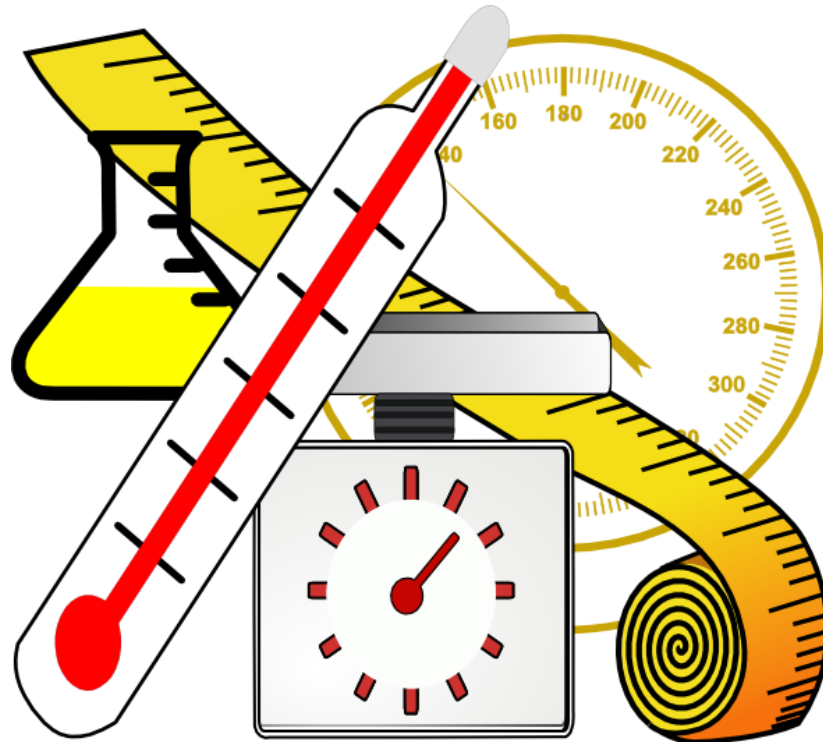


# SI UNITS

## Quick Questions



#1

What is the SI Units short  
for?



#1

What is the SI Units short  
for?



**International System of  
Units**

#2

What is the definition of length?



#2

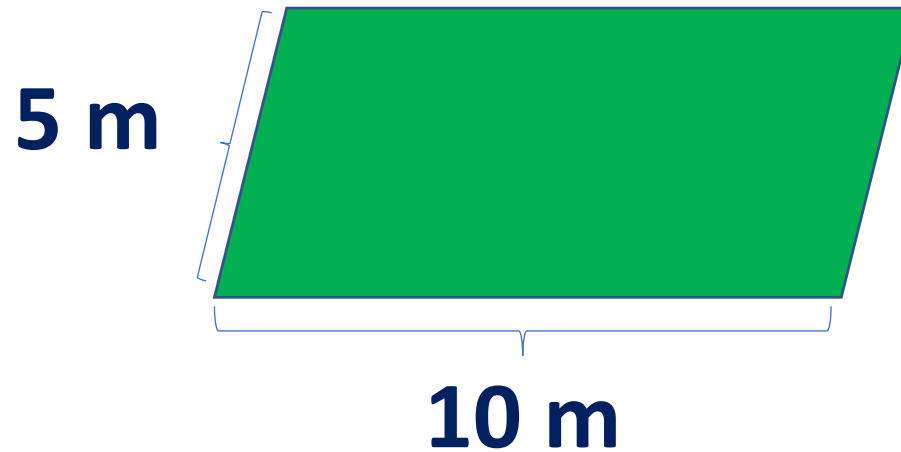
What is the definition of length?



The distance between two points.

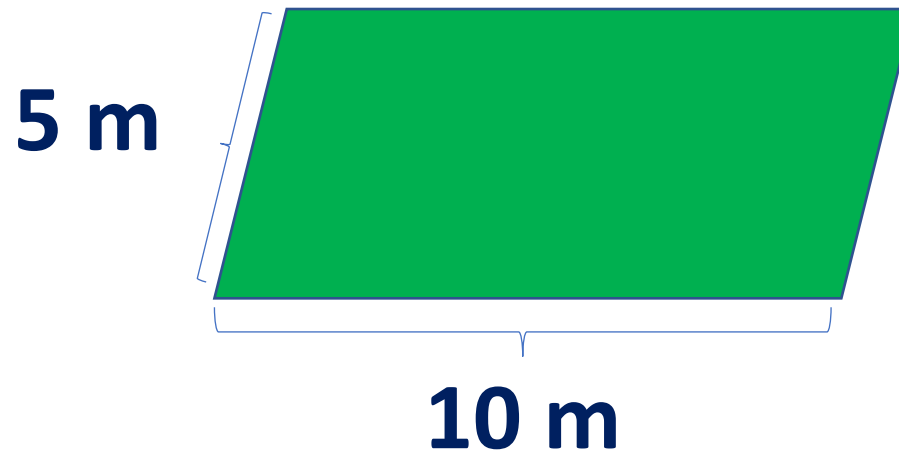
#3

What is the formula to find area?



#3

What is the formula to find area?

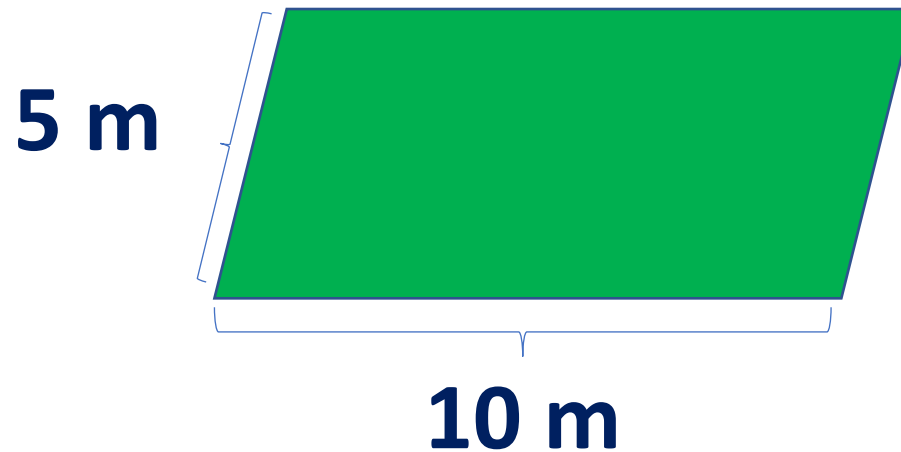


Area = Length x Width

$$A = L \times W$$

#4

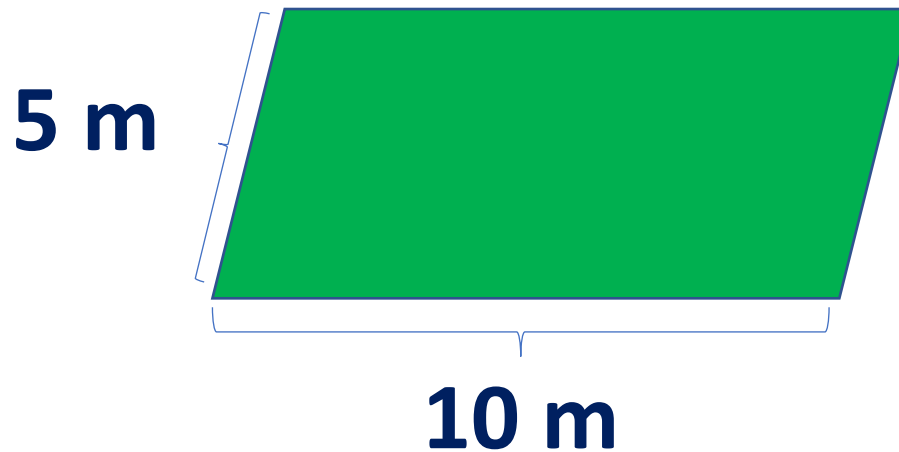
What is the area of the shape?





#4

What is the area of the shape?



150 m

#5

What is the definition of  
volume?



#5

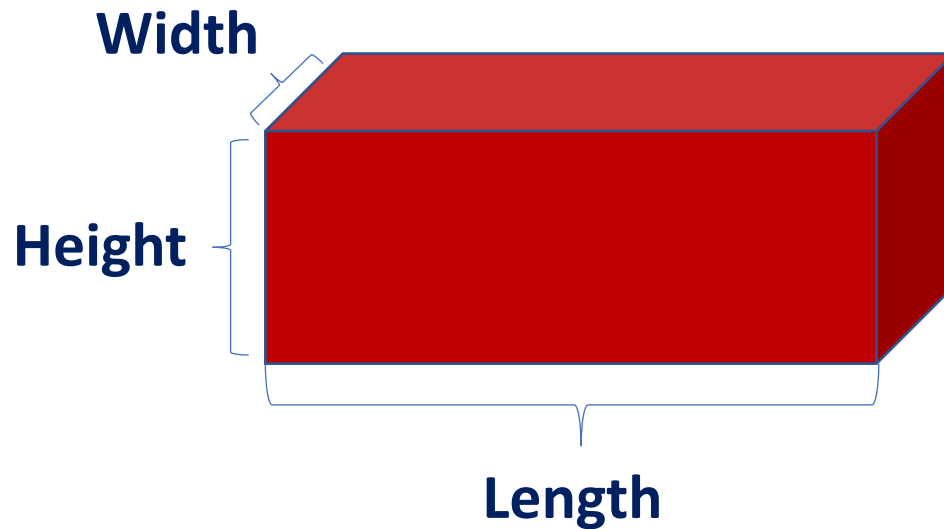
What is the definition of  
volume?



**The amount of space  
matter occupies.**

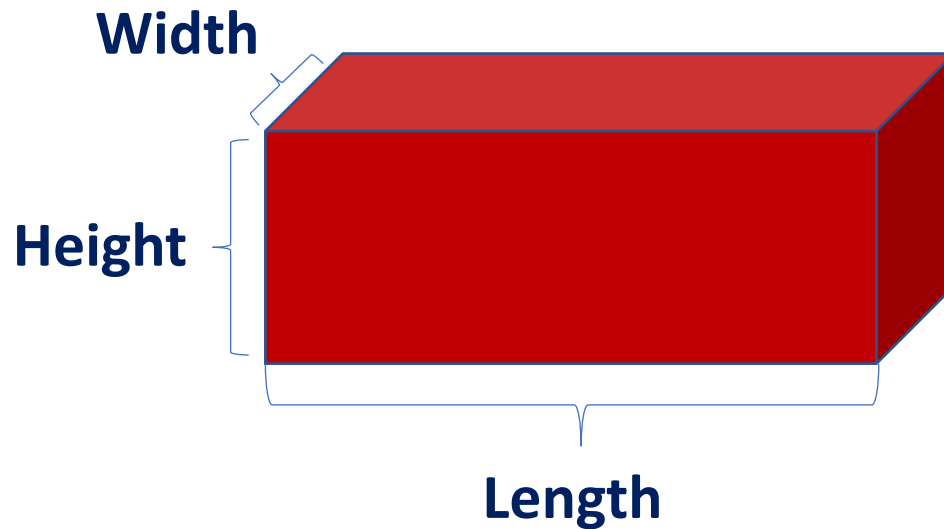
#6

# What is the formula for volume?



#6

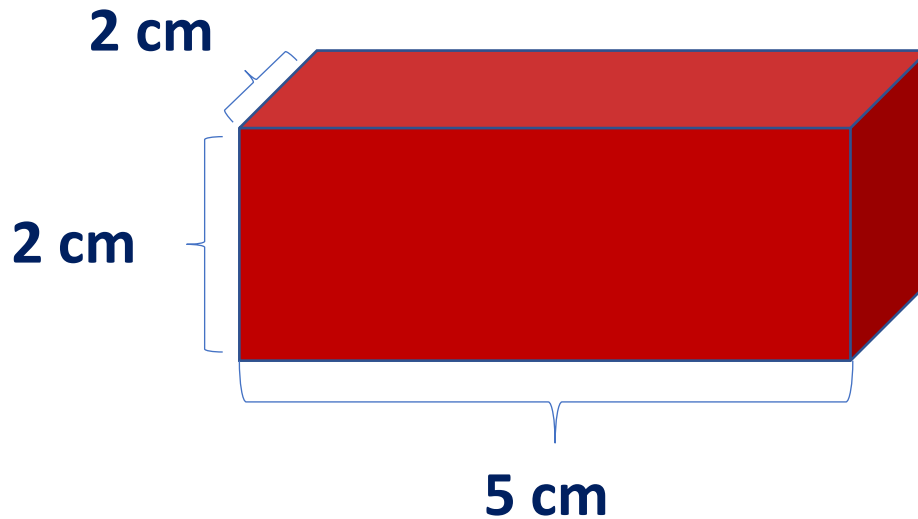
What is the formula for volume?



$$V = L \times W \times H$$

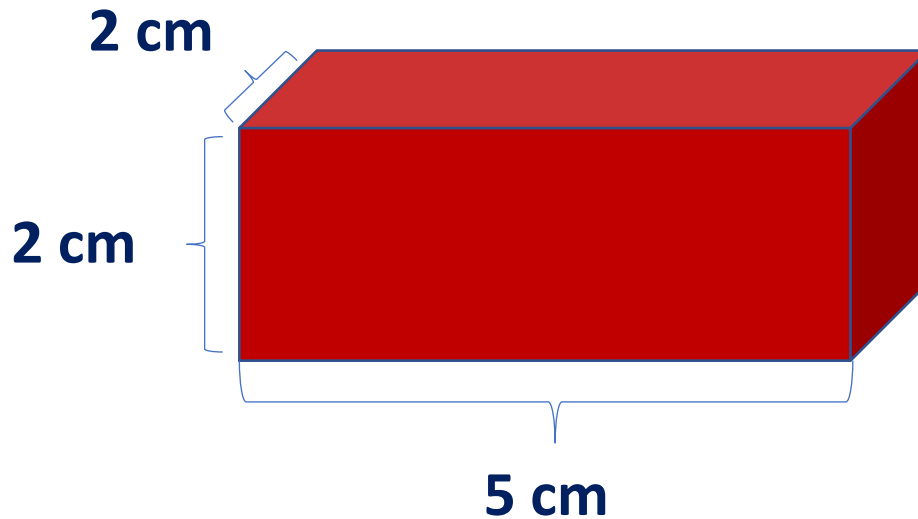
#7

What is the volume of the shape ?



#7

What is the volume of the shape ?



$20 \text{ cm}^3$

#8

What is the base unit used for liquid volume?





#8

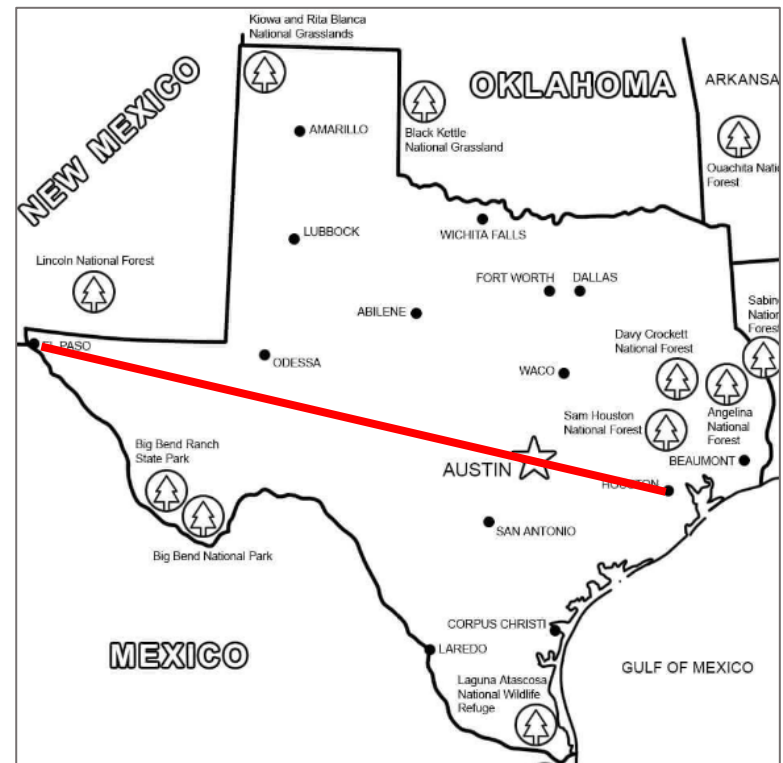
What is the base unit used  
for liquid volume?



**Liter (L)**

#9

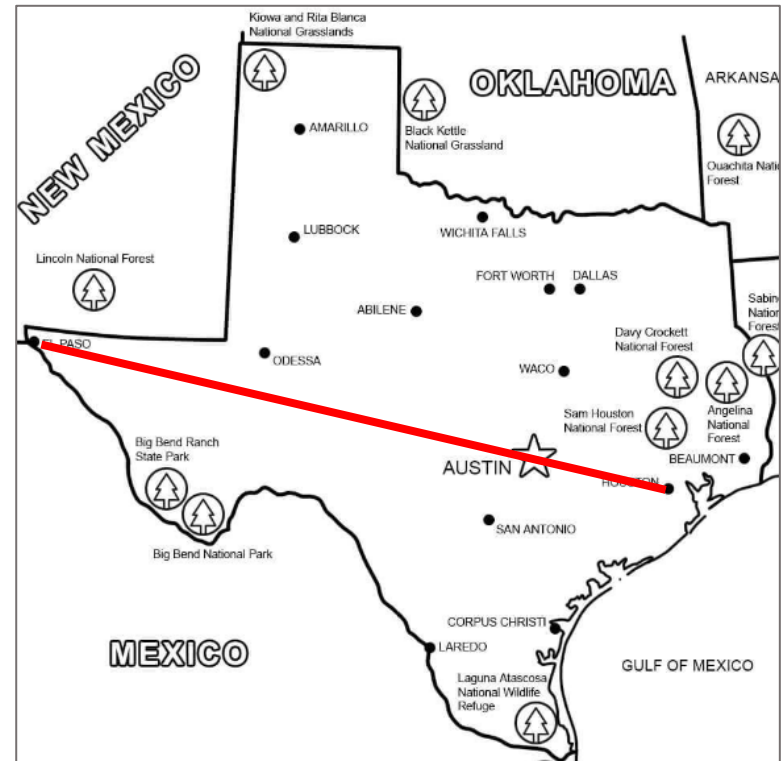
What unit of length would you use to measure from El Paso, TX to Houston, TX?



#9

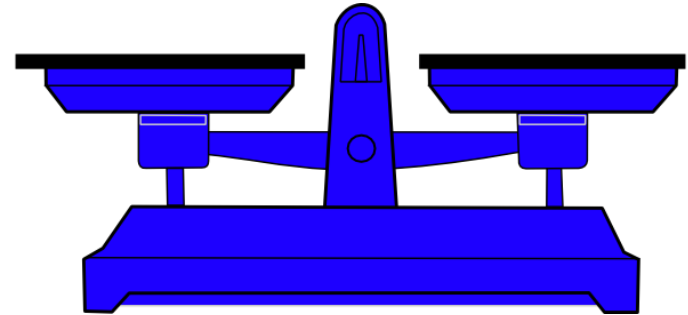
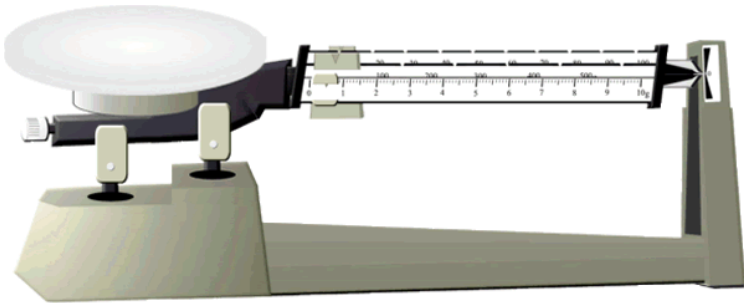
What unit of length would you use to measure from El Paso, TX to Houston, TX?

kilometers



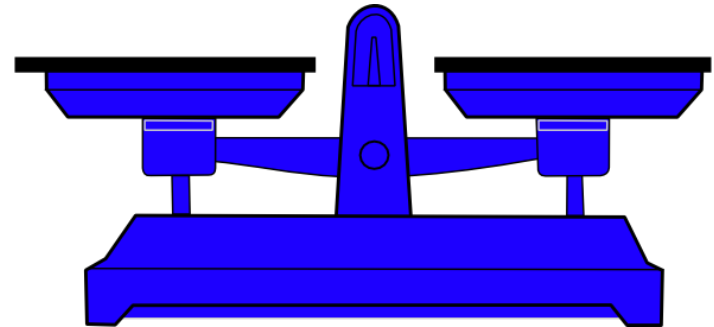
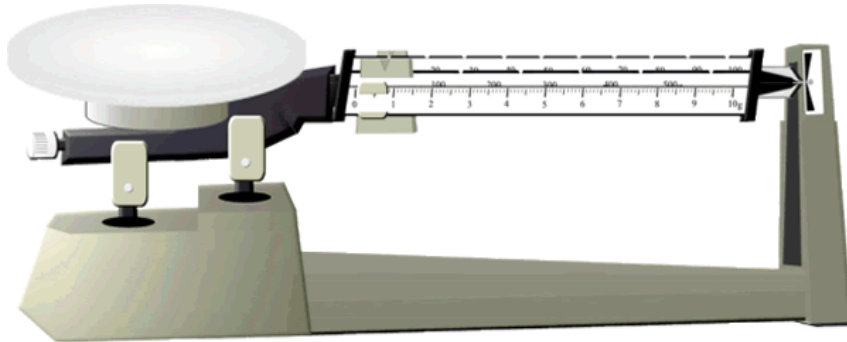
#10

# What tools can you use to measure mass?



#10

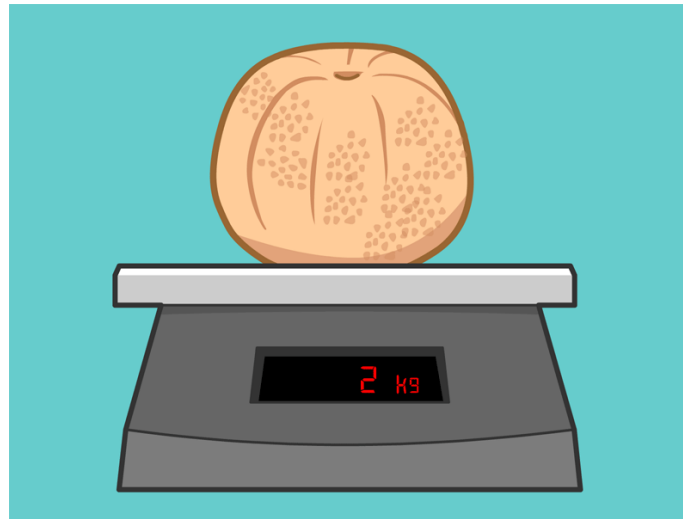
What tools can you use to measure mass?



**Balance or Scale**

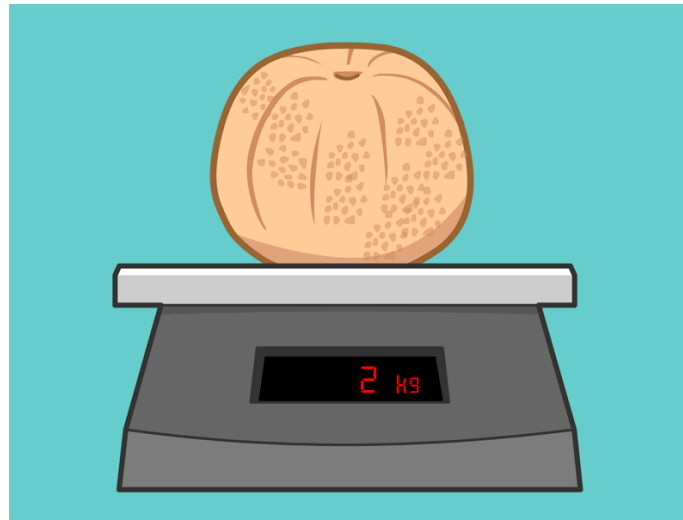
#11

# What is the definition of mass?



#11

# What is the definition of mass?



Mass is the amount of matter in an object.

#12

If you were measuring the mass of a book bag filled with books, what unit of measurement would you use?





#12

If you were measuring the mass of a book bag filled with books, what unit of measurement would you use?



**Kilograms**

#13

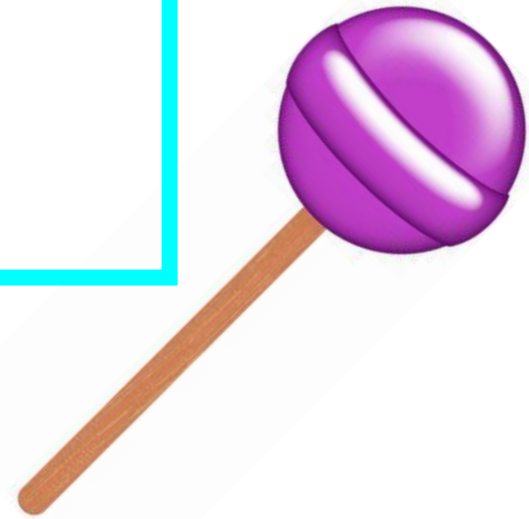
What unit of measurement would you use to find the mass of a piece of candy?



#13

What unit of measurement would you use to find the mass of a piece of candy?

Grams



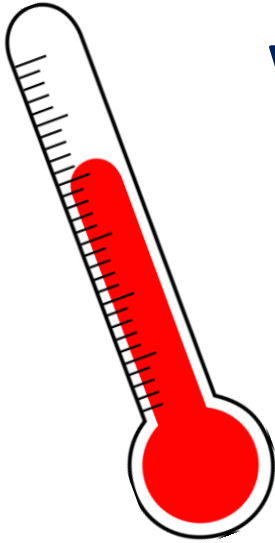
#14

To measure the temperature  
of a cup of hot chocolate,  
what tool would use?



#14

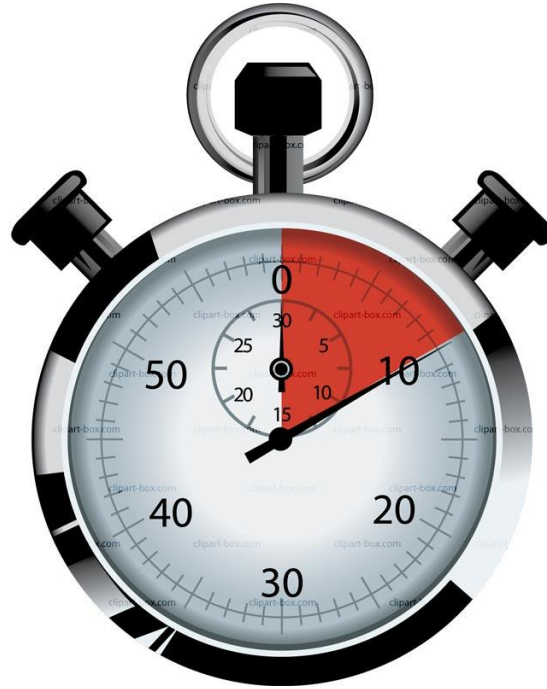
To measure the temperature of a cup of hot chocolate, what tool would use?



**Thermometer**

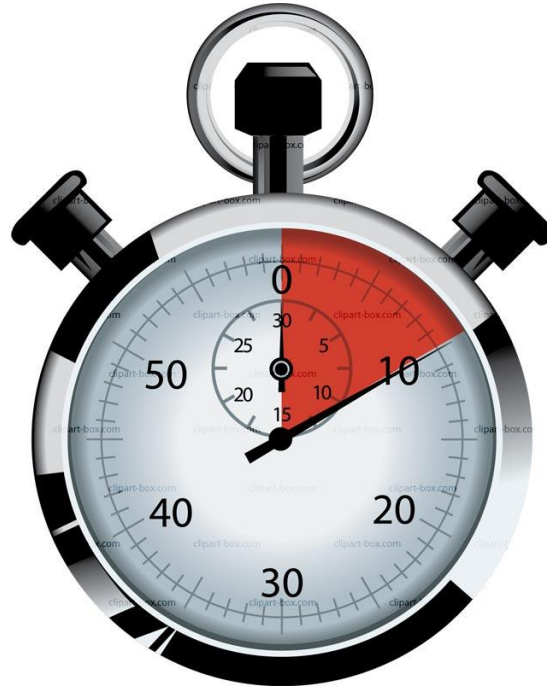
#15

# What is base unit for time?



#15

# What is base unit for time?

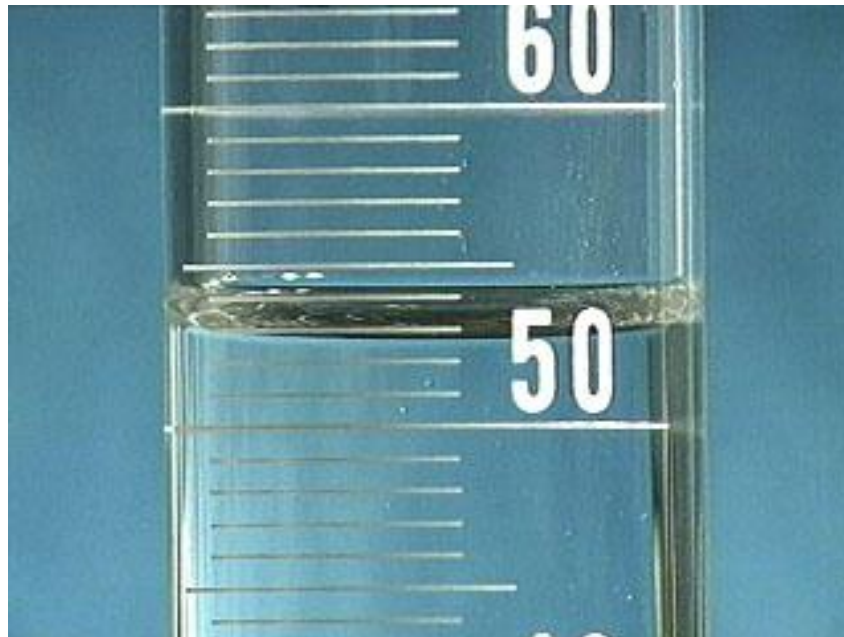


**Second (s)**

#16

What is the liquid volume of the cylinder?

The answer will be in mL.

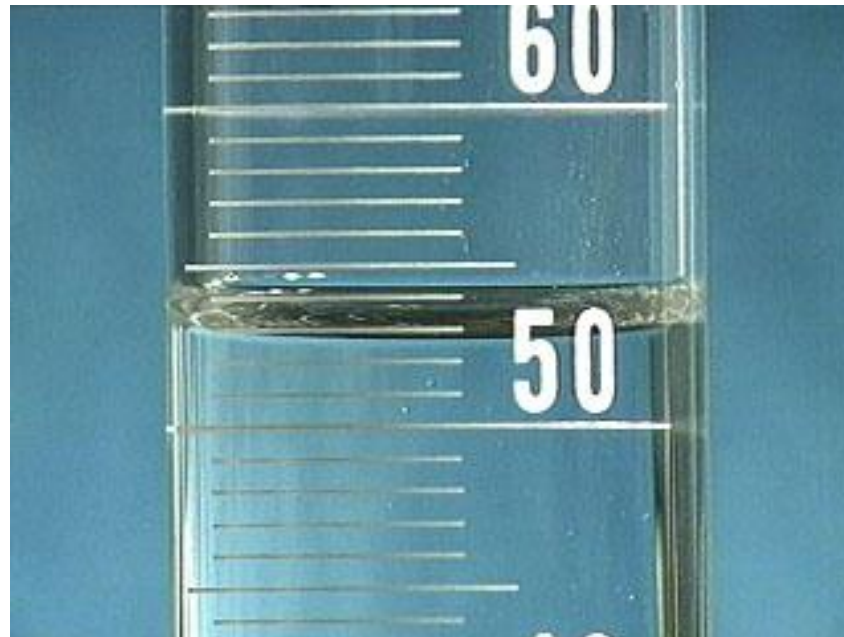




#16

What is the liquid volume of the cylinder?

The answer will be in mL.



53 mL

#17

What is the liquid volume of the cylinder?

The answer will be in mL.



#17

What is the liquid volume of the cylinder?

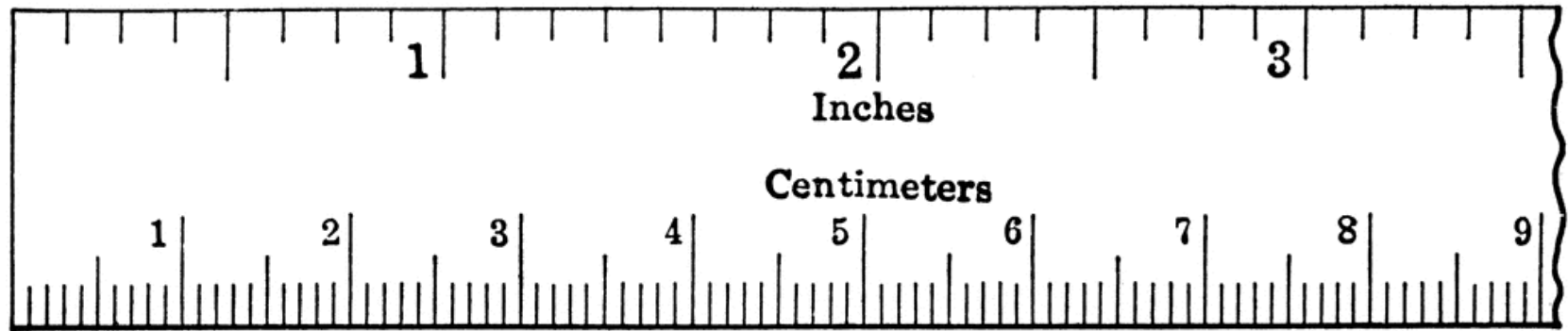
The answer will be in mL.



6.6 mL

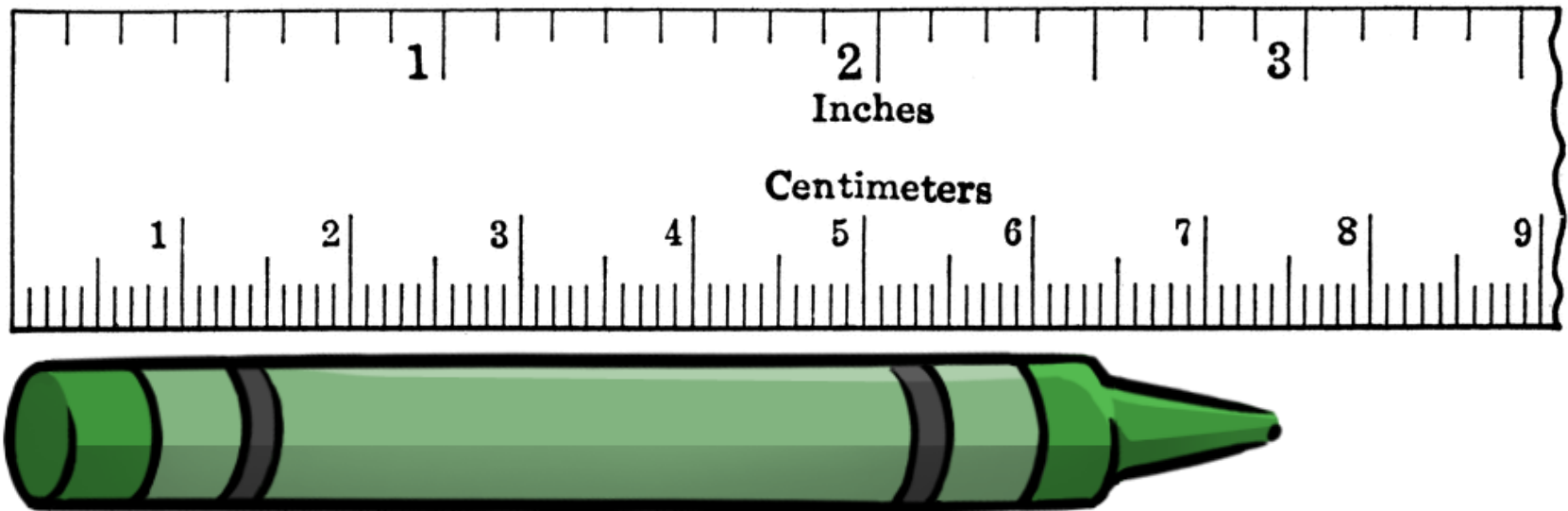
#18

What is the length of the crayon?



#18

What is the length of the crayon?



7.5 cm

#19

# What is density?



#19

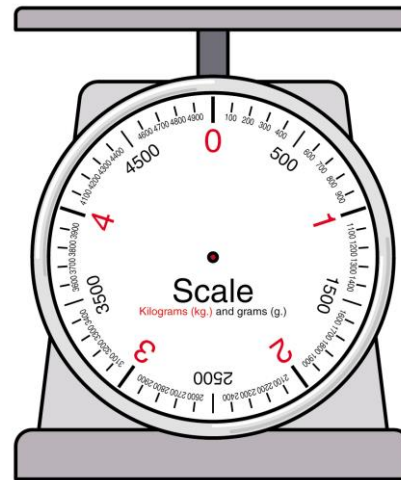
# What is density?



Density is the amount of mass in volume.

#20

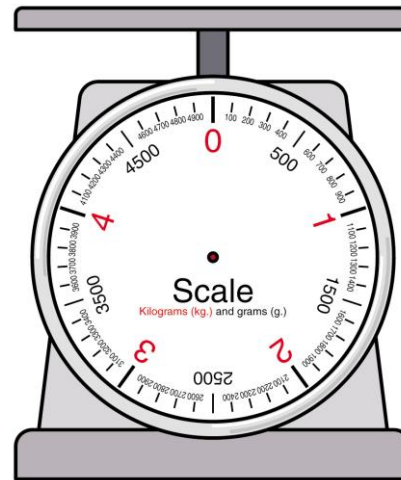
How many kilograms is an object that has a mass of 2500 grams?





#20

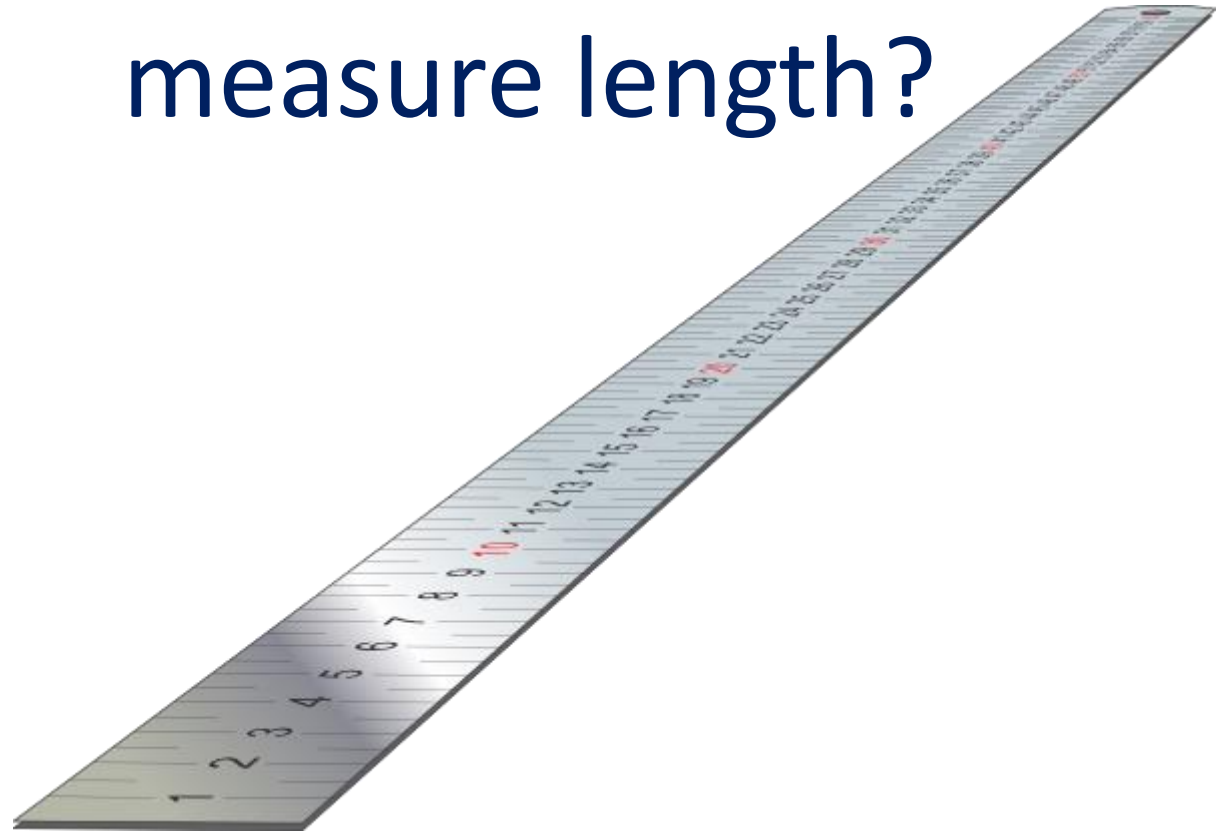
How many kilograms is an object that has a mass of 2500 grams?



2.5 Kilograms

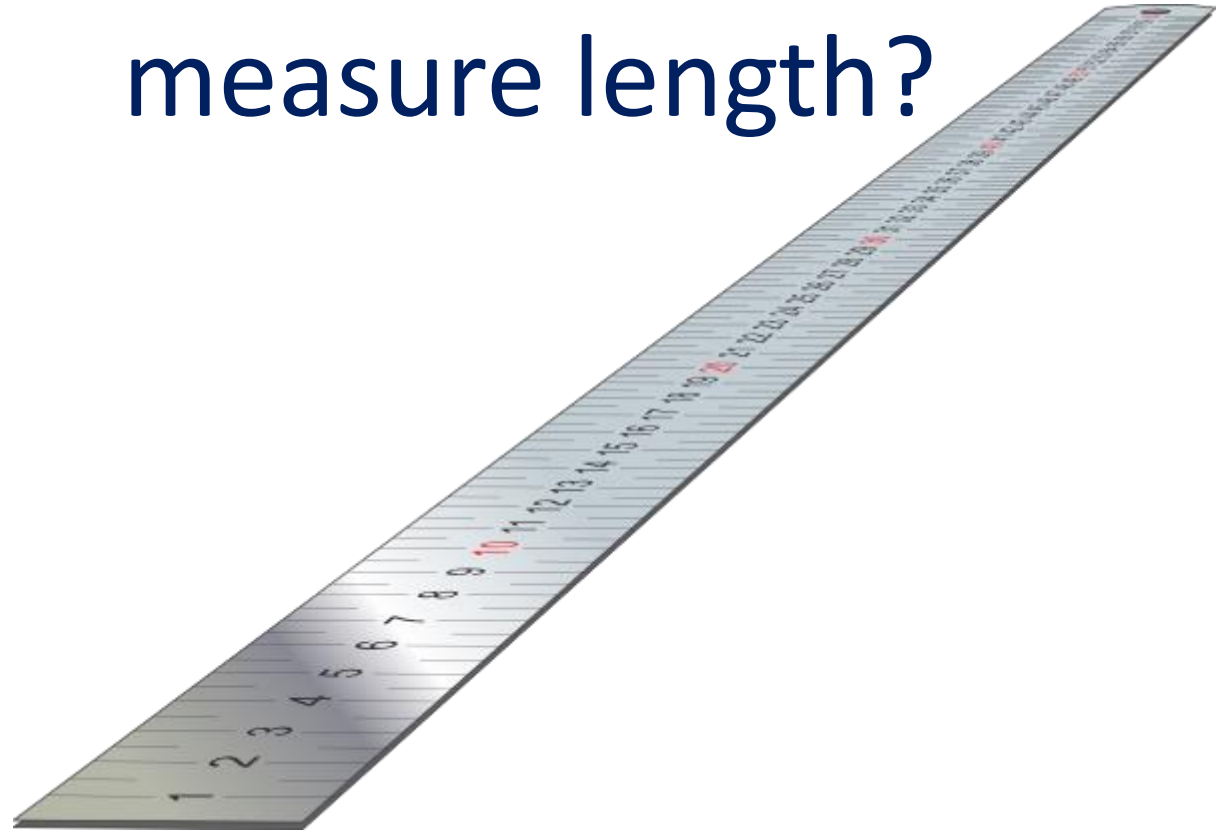
#21

What tool do you use to measure length?



#21

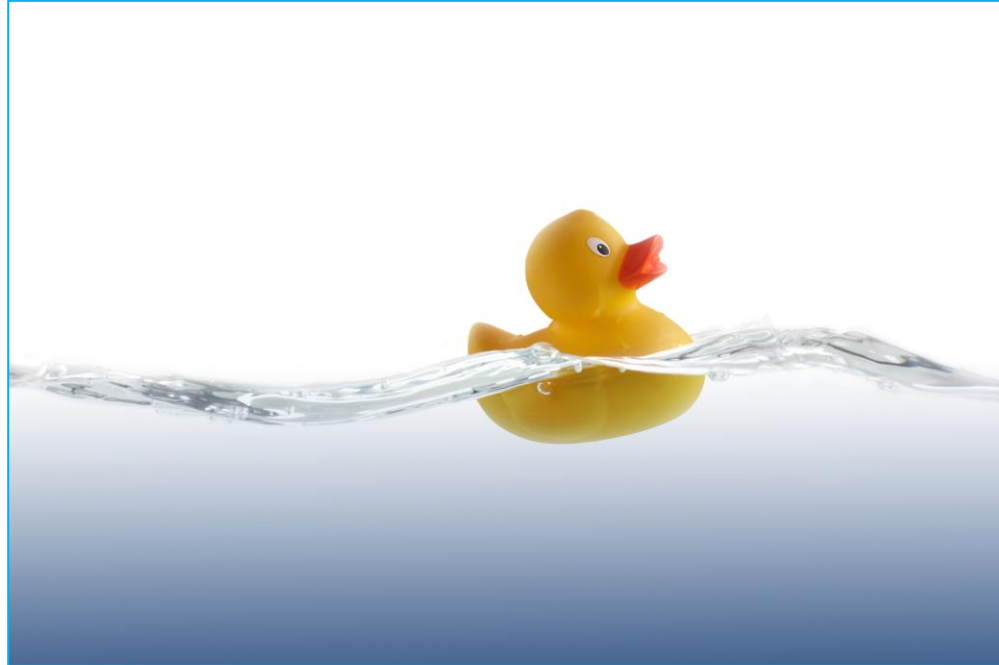
What tool do you use to measure length?



Meter Stick

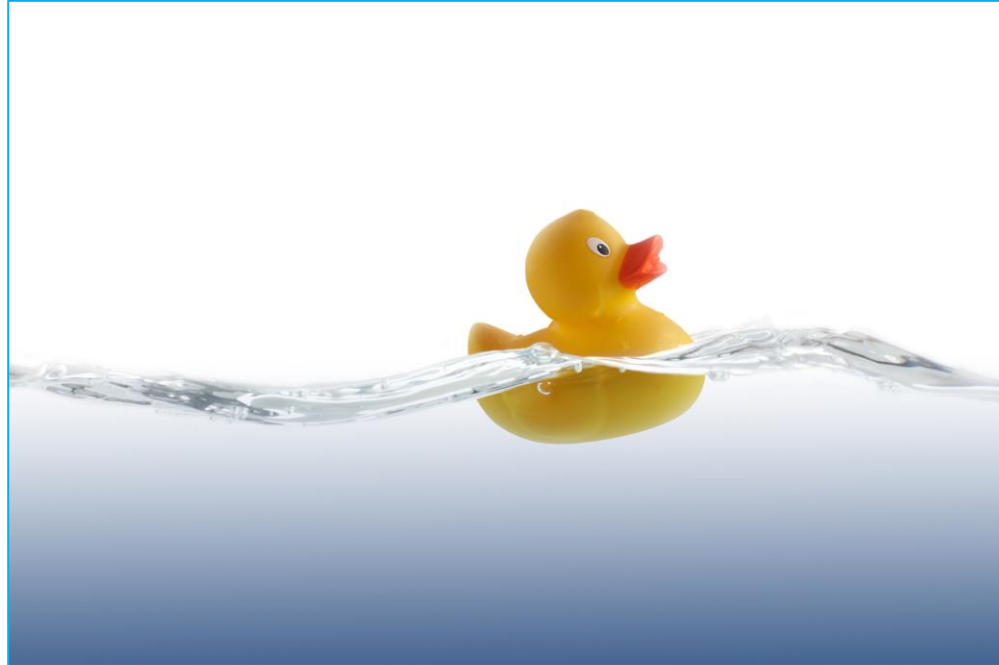
#22

# What is formula for density?



#22

# What is formula for density?

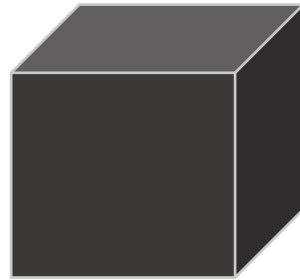


**Density = Mass / Volume**

$$D = M/V$$

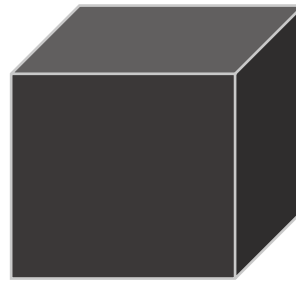
#23

A block has a volume of  
15.0 mL and weighs 45 g.  
What is its density?



#23

A block has a volume of  
15.0 mL and weighs 45 g.  
What is its density?



15 mL/45 g reduced to 1 mL/3 g

#24

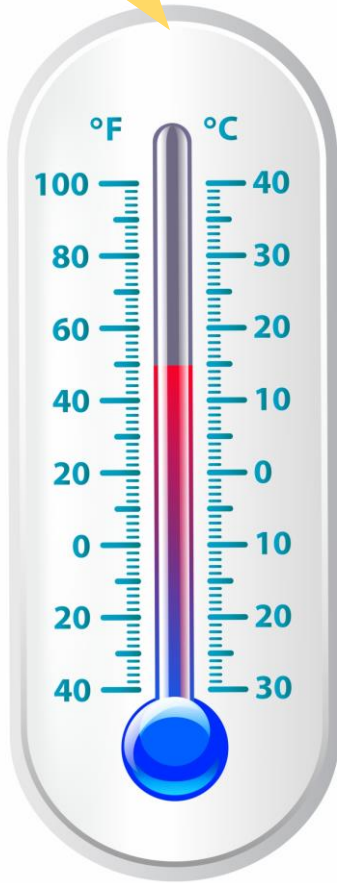
What is the temperature  
of the thermometer in  
Celsius?





#24

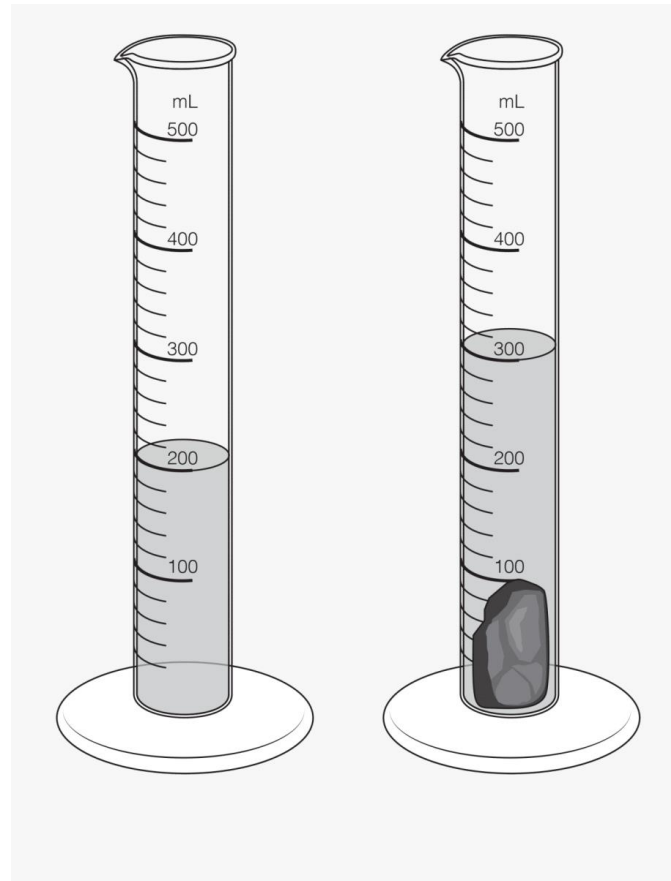
What is the temperature  
of the thermometer in  
Celsius?



15°C

#25

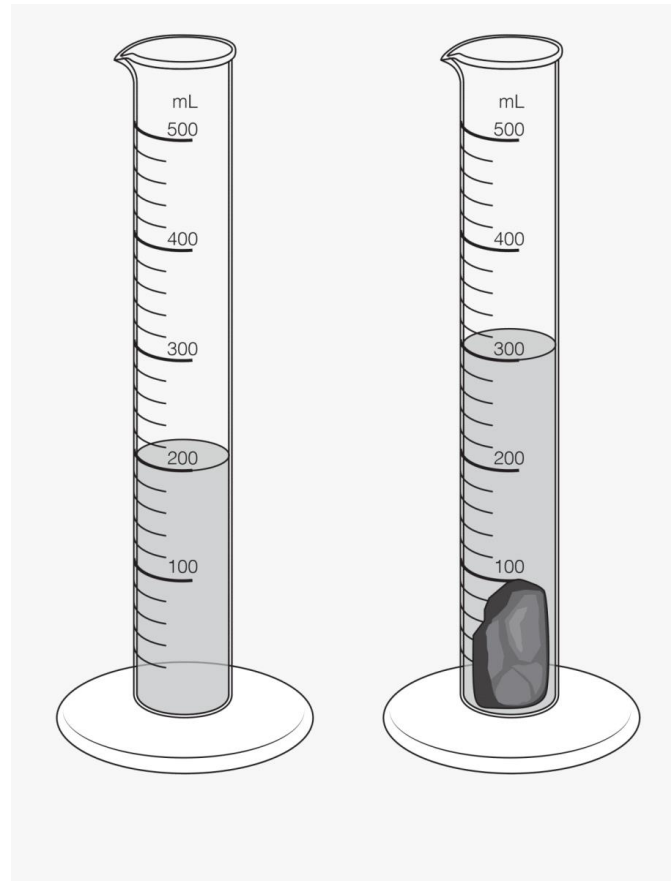
# What is the volume of the rock?



#25

# What is the volume of the rock?

100 mL



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For God hath not given us the spirit of fear; but of power, and of love, and of a sound mind. 2 Timothy 1:7

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